Theory of Demand and Forecasting

What is **DEMAND**?

- "Every want supported by the willingness and ability to buy" – constitutes demand for a particular product or services.....
- In other words, if a person wants a CAR and cannot pay for it. There is no demand for the CAR from his or her side......

DEMAND

What is **DEMAND**?

Demand is the quantities that a person or market is ready, willing and able to buy.

(Ex. Bill Gates is <u>able</u> to purchase a Ferrand but if he is <u>NOT willing</u> to buy one, Then he has NO demand for one)

What is the Law of Demand?

All else being equal, quantity demanded of a good rises, as the price decreases.



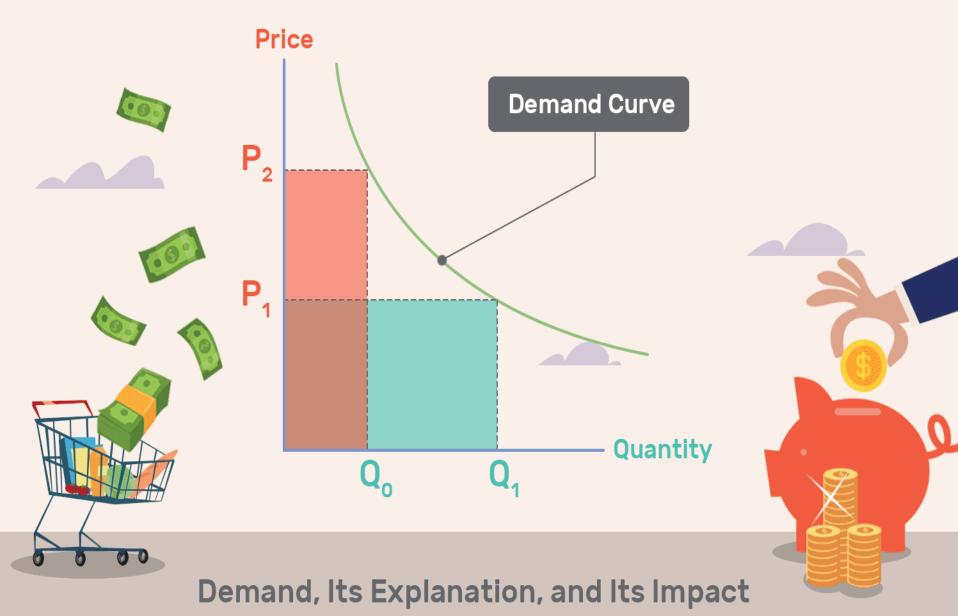
What is Demand?

- Demand- the desire, ability, and willingness to buy a product.
- Microeconomics- the area of economics that deals with behavior and decision making by small units, such as individuals and firms.
- A knowledge of demand is essential to understand how a market economy works.
- Knowledge of demand is important for sound business planning.

Law OF Demand

- The law of demand states, all other factors being constant, as the price of a good or service increases, consumer demand for the good or service will decrease, and vice versa
- The law of demand says that the higher the price, the lower the quantity demanded, because consumers' opportunity cost to acquire that good or service increases, and they must make more trade offs to acquire the more expensive product

Law Of Denual Group 1 5 December 2016



the balance

Types of Demand

On the Basis of User

- Demand for Producer Goods
- Demand for Consumer Goods

On the Basis of Dependency on Other Commodity

- Autonomous Demand
- Derived Demand

On the Basis of Scale of Usage

- Company Demand
- Industry Demand

On the Basis of Impact Over Time

- Short Run Demand
- Long Run Demand

On the Basis of Durability

- Demand for Durable Goods
- Demand for Non-Durable Goods

What is Demand Forecasting?

- Demand Forecasting is predicting the future demand for products/services of an organization.
- To forecast is to estimate or calculate in advance
- Since forecasts are estimates and involve consideration of so many price and non-price factors, no estimate is necessarily 100% accurate.

Demand Function

Demand function shows the functional relationship between quantity demanded for a commodity and its various determinants.

Types of Demand Function

- □ Individual Demand Function
 - **■** Market Demand Function

Invidivual Demand Function Dx=f(Px, Pr, Y, T, E)

Dx=Demand for Commodity x

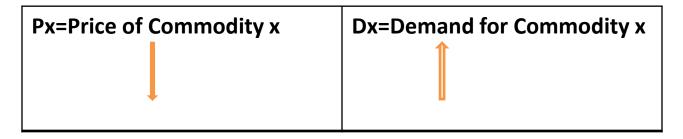
Px=Price of Commodity x

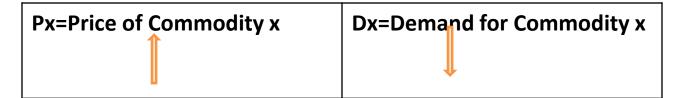
Pr=Price of related goods

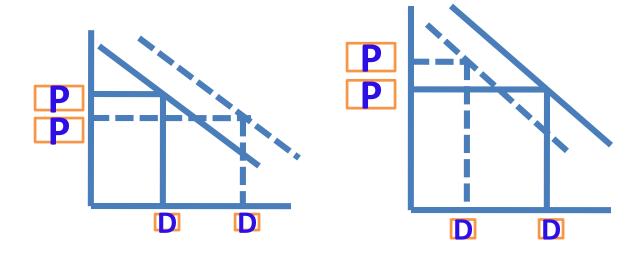
Y=Income of the consumer

T= Tastes and Preferences

E=Expectation of Future Prices

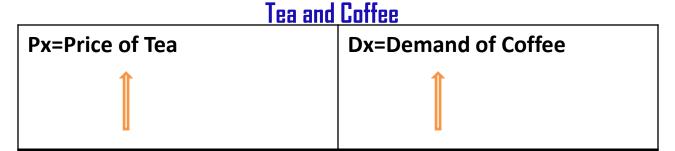


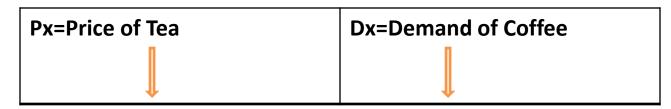


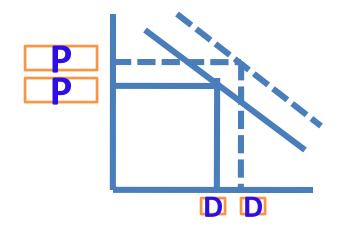


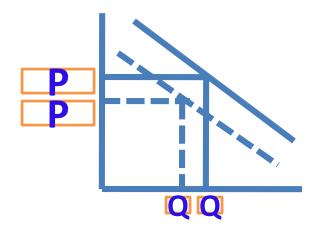
a) Substitute Goods

b) Complementary Goods



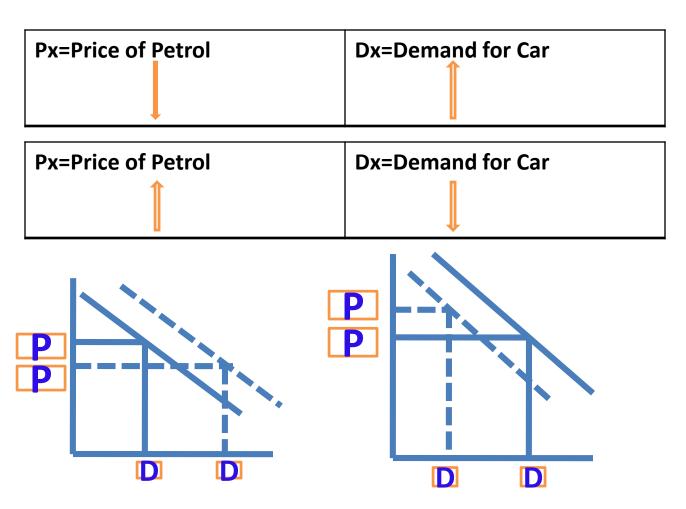




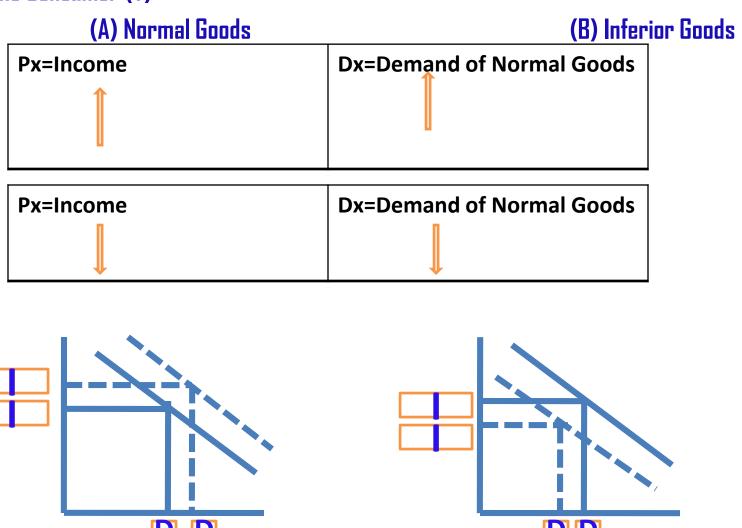


b) Complementary Goods

Car and Petrol

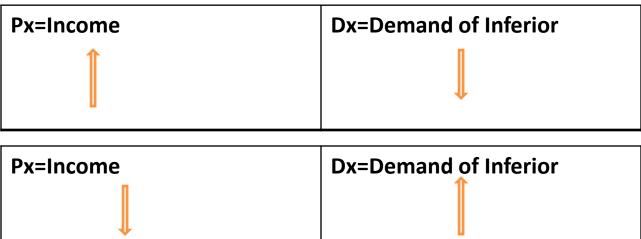


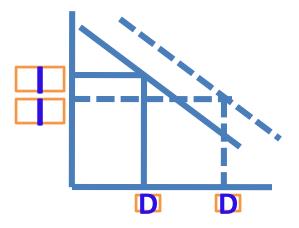
Income of the Consumer (Y)



Income of the Consumer (Y)

(B) Inferior Goods



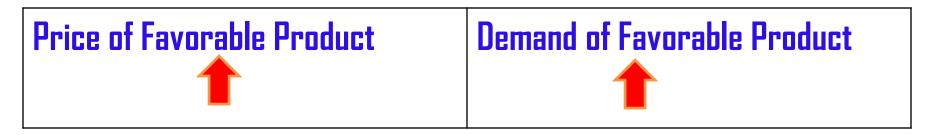


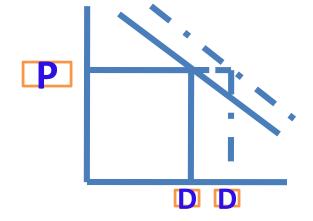
Tastes and Preferences

a) Favorable Change

b) Unfavorable Change

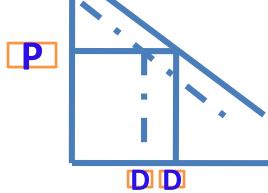
a) Favorable Change





Tastes and Preferences
a) Favorable Change

b) Unfavorable Change

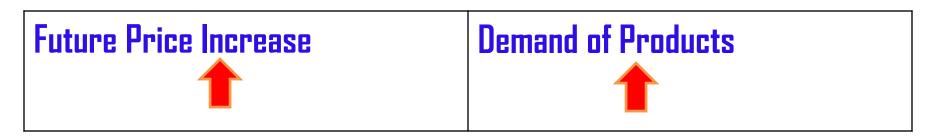


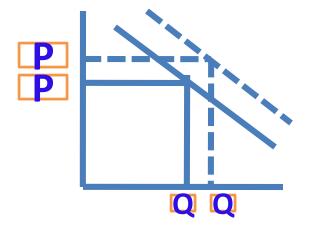
Expectation of Future Price

a) Future Price Increase

b) Future Price Fall

a) Future Price Increase



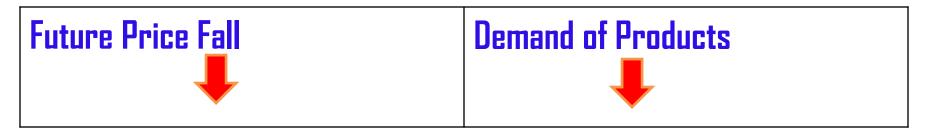


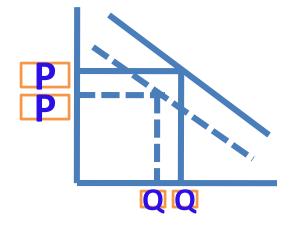
Expectation of Future Price

a) Future Price Increase

b) Future Price Fall

b) Future Price Fall





Market Demand Function Dx=f(Px, Pr, Y, T, E, N, Yd, G)

Dx=Demand for Commodity x

Px=Price of Commodity x

Pr=Price of related goods

Y=Income of the consumer

T= Tastes and Preferences

E=Expectation of Future Prices

N=Population

Yd=Distribution of Income

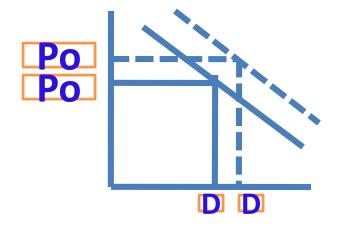
G=Government Policy

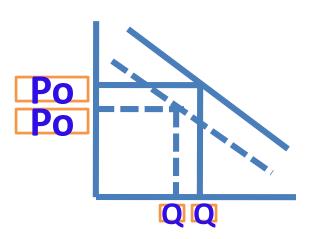
Population

a) Increase of Population

b) Decrease of Population

Population 1	Demand 1
Population J	Demand J





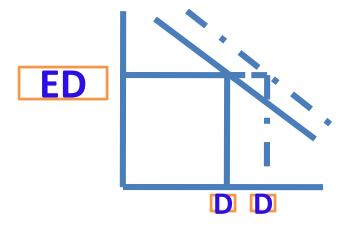
Distribution of Income

a) Equal Distribution

- b) Unequal Distribution
- a) Equal Distribution

If distribution is Equal

Demand 1



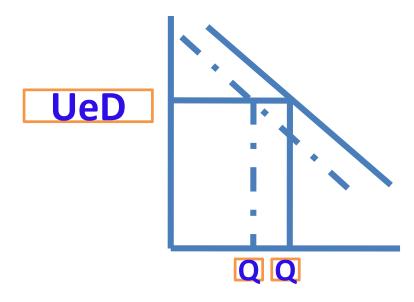
Distribution of Income

a) Equal Distribution

- b) Unequal Distribution
- a) Unequal Distribution

If distribution is Unequal

Demand **J**



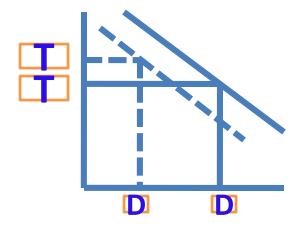
Government Policy

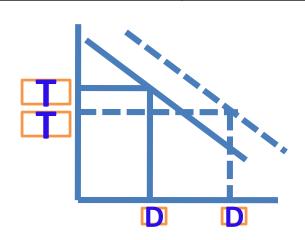


b) Rebate

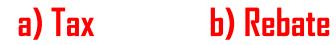
Tax

Tax		Price 1	Demand J
Tax	1	Price -	Demand 1





Government Policy



Rebate

ILODALO				
Rebate 1	Price 4	Demand 1		
Rebate	Price 1	Demand 4		
R	R	R		

